

Abstract

NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL SATELLITE SYSTEM (NPOESS) SENSORS AND DATA PRODUCTS

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National Polar-Orbiting Operational Environmental Satellite System (Npoess) Sensors And Data Products

NPOESS is a tri-agency program designed to support missions of the Department of Commerce (DOC)/National Oceanic and Atmospheric Administration (NOAA), the Department of Defense (DoD), and the National Aeronautics and Space Administration (NASA). NPOESS will collect and disseminate data about the Earth's oceans, atmosphere, land, climate, and space environment. These environmental measurements are made available by a variety of instruments (sensors) both new and existing. In addition to providing critical, timely, reliable, and high quality global and regional environmental imagery, NPOESS will also produce specialized meteorological, climatic, terrestrial, oceanographic, solar-geophysical, and other data products. These imagery and data products are provided in a timely fashion to national weather and environmental facilities operated by NOAA and DoD, to NASA, and to the environmental remote sensing science community at large to support civil and military functions. This presentation provides an overview of the characteristics of the NPOESS sensors, and describes the diverse set of NPOESS Data Products that will be made available in the near-future.